



Australian Government

PUAEMR002 Assess emergency risk

Release: 1

PUAEMR002 Assess emergency risk

Modification History

Release 1. This is the first release of this unit of competency in the PUA Public Safety Training Package.

Application

This unit of competency involves the skills and knowledge required to identify, analyse and evaluate risks to determine which need treatment, and the treatment priorities. It includes identifying, analysing and evaluating risk and monitoring and reviewing emergency risks to a community.

The unit applies to personnel undertaking an emergency risk assessment with a community or part of a community. Such assessments are conducted at local, regional or state level by local governments, emergency management committees, public safety agencies, major event managers or other organisations that need to understand emergency risk to a community.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

PUAEMR001 Establish context for emergency risk assessment

Competency Field

Emergency Management

Unit Sector

Not applicable

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify risk

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Sources of risk are identified by considering the interaction of hazards, communities and the environment

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| | 1.2 | Elements at risk are identified, in accordance with organisational policies and procedures |
| | 1.3 | Stakeholders are consulted throughout the risk assessment process |
| | 1.4 | Risk statements describing consequences are documented, in accordance with organisational policies and procedures |
| 2 Analyse risk | 2.1 | Risks are analysed by considering the likelihood of consequences occurring |
| | 2.2 | Vulnerability of communities and environments is determined by analysing their susceptibility and resilience to risks |
| | 2.3 | Risks are rated, in accordance with organisational procedures and agreed risk probability criteria |
| 3 Evaluate risk | 3.1 | Risks requiring additional analysis or treatment are determined and documented |
| | 3.2 | Tolerability and acceptability of risks are agreed with stakeholders |
| | 3.3 | Risk treatments are prioritised using agreed risk criteria |
| 4 Monitor and review | 4.1 | Hazard and risks assessments are monitored, in accordance with relevant standards and guidelines |
| | 4.2 | Evaluated risks assessments are reviewed and reported, in accordance with industry standards and organisational guidelines |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to PUAEMR023 Assess emergency risk.

Links

PUA Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>

Assessment Requirements for PUAEMR002 Assess emergency risk

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria on at least one occasion and includes

- analysing qualitative and quantitative risk
- analysing risk and probability
- demonstrating appropriate methods to identify risk, producing risk statements and applying risk criteria in consultation with stakeholders
- evaluating risk
- following organisational policies and procedures including Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements
- identifying hazards and associated risks
- identifying sources of risk to the social, built, economic and natural environments
- identifying stakeholders including negotiating with stakeholders
- monitoring and reviewing existing emergency risk assessments
- using analysis techniques
- using emergency risk modelling processes to estimate risk

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements and performance criteria and includes knowledge of

- application of analysis techniques including spatial analysis
- concepts of credible consequence level, likelihood rating, confidence rating and as low as reasonably practicable principles
- consultation with stakeholders about risk criteria
- emergency risk management concepts and principles including industry standards
- jurisdiction or organisational emergency risk management principles and guidelines
- methods to identify risk including tolerable and acceptable risks
- organisational documentation, policies and procedures including Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) requirements and facility emergency response plans
- production of risk statements

- research, demographic and economic analysis techniques
- risk criteria including
 - how likelihood will be defined
 - level at which risk becomes acceptable or tolerable
 - nature and types of causes and consequences that can occur and how they are measured
 - risk mitigation and how the level of risk is to be determined
 - timeframe of the likelihood or consequences
 - view of stakeholders
 - whether combinations of multiple risks should be considered and if so how and which combinations should be considered
- risk identification tools
- risk statements and risk register
- sources of risk including
 - built environment failures
 - commercial and legal relationships
 - disease including plant, animal or human
 - economic systems and relationships
 - human behaviour
 - natural events
 - political circumstances
 - technology and technical issues, management activities and controls
- structure of risk criteria and the application of scenario dynamics including how a hazard creates consequences

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Resources for assessment must include access to

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry

- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operational manuals.

Links

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